

APPARATUS AND METHOD FOR EXTRUDING SINGLE-COMPONENT LIQUID STRANDS INTO MULTI-COMPONENT FILAMENTS

Abstract

A melt spinning apparatus includes fiber producing features to produce multi-component filaments by extruding two or more single-component strands that combine after extrusion and are then attenuated by process air. The two or more liquid materials do not contact one another in the spinpack. Separation of the two types of liquid material throughout the spinpack prevents premature leakage between two liquid materials and allows for an optimized temperature for each type of liquid material for proper extrusion.